Ohio Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

April 29, 2016

CERTIFIED MAIL

George Czerniak, Director
Attention: Bilal Qazzaz
Air and Radiation Division
U.S.EPA, Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

RE: 2015 SLAMS Data Certification

Dear Mr. Czerniak:

At this time we are certifying Ohio's ambient monitoring data. Please find enclosed our SLAMS Reports (AMP-450NC for PM_C and AMP-600) for calendar year 2015 as required in 40 CFR, Part 58, Section 58.15. The ambient concentration and the quality assurance data for these sites have been completely submitted to the AQS database.

I certify that the data in the report are accurate to the best of our knowledge taking into consideration the quality assurance findings and only to the extent of the activities performed by Ohio EPA.

There were no incidents of air pollution that reached or exceeded levels as specified by Section 51.151 which could cause significant harm to the health of persons.

Sincerely,

Robert Hodanbosi

Robert Hodanbosi
Chief, Division of Air Pollution Control

Enclosure

50 West Town Street • Suite 700 • P.O. Box 1049 • Columbus, OH 43216-1049
epa.ohio.gov • (614) 644-3020 • (614) 644-3184 (fax)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: GYE

CERTIFICATION EVALUATION AND CONCURRENCE

Report Request ID: 1441543

Report Code: AMP600

Apr. 29, 2016

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	39										

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA			

SELECTED OPTIONS

Option Type	Option Value
MERGE PDF FILES	YES
AGENCY ROLE	CERTIFYING

DATE CRITERIA

Start Date	End Date
2015	2015

Data Evaluation and Concurrence Report Summary

Apr. 29, 2016

Certification Year: 2015
Certifying Agency (CA): National Park Service (0745)

Pollutants in Report:

Parameter Name	Code	Monitors Evaluated	Monitors Recommended for Concurrence by AQS	Monitors NOT Recommended for Concurrence by AQS
Sulfur dioxide	42401	1	0	1

PQAOs in Report:

PQAO Name	PQAO Code	TSA Date
National Park Service	0745	

Summary of 'N' flags for all pollutants:

PQAO	Parameter Code	AQS Site-ID	POC	AQS Recommended Flag	Cert. Agency Recommended Flag	Reason for AQS Recommendation
0745	42401	39-121-8001	1	N		Annual Summary completeness < 70%.
0745	42401	39-121-8001	1	N		Annual Performance Evaluation Audit Missing or 1 Level.
0745	42401	39-121-8001	1	N		1-Point QC Completeness < 65%.

Signature of Monitoring Organization Representative: _____

Data Evaluation and Concurrence Report Summary

Certification Year: 2015
Certifying Agency (CA): Ohio EPA Central Office (1256)

Pollutants in Report:

Parameter Name	Code	Monitors Evaluated	Monitors Recommended for Concurrence by AQS	Monitors NOT Recommended for Concurrence by AQS
Carbon monoxide	42101	14	14	0
Lead (TSP) LC	14129	24	23	1
Lead PM10 LC FRM/FEM	85129	2	2	0
Nitrogen dioxide (NO2)	42602	7	6	1
Ozone	44201	48	47	1
PM10 Total 0-10um STP	81102	50	50	0
PM2.5 - Local Conditions	88101	74	70	4
Sulfur dioxide	42401	34	32	2

PQAOs in Report:

PQAO Name	PQAO Code	TSA Date
URSCorp, TX	1299	
Shell Engineering & Assoc., MO	1373	
Central Ohio PQAO	1453	09/21/15
North East Ohio PQAO	1454	
South West Ohio PQAO	1455	

Summary of 'N' flags for all pollutants:

PQAO	Parameter Code	AQS Site-ID	POC	AQS Recommended Flag	Cert. Agency Recommended Flag	Reason for AQS Recommendation
1453	88101	39-003-0009	2	N	N	Flow Rate Audit completeness < 65%.
1453	42602	39-049-0037	1	N	N	Annual Performance Evaluation Audit Missing or 1 Level.
1453	42401	39-013-3002	2	N	N	Annual Performance Evaluation Audit Missing or 1 Level.
1454	88101	39-103-0004	3	N	N	Flow Rate Audit Bias > 6%.
1454	88101	39-035-0060	1	N	N	PQAO-Level Collocation criteria not met.
1455	44201	39-027-1002	1	N	N	Annual Performance Evaluation Audit Missing or 1 Level.
1455	88101	39-061-0006	4	N	N	Flow Rate Audit completeness < 65%.
1455	42401	39-061-0040	1	N	N	Annual Summary completeness < 70%.
1455	14129	39-091-0006	1	N	N	Flow Rate Audit completeness < 65%.
1455	44201	39-027-1002	1	N	N	1-Point QC Completeness < 65%.

Signature of Monitoring Organization Representative: Robert Hodanbosi

Data Evaluation and Concurrence Report Summary

Apr. 29, 2016

Certification Year: 2015
Certifying Agency (CA): USEPA - Clean Air Markets Division (1344)

Pollutants in Report:

Parameter Name	Code	Monitors Evaluated	Monitors Recommended for Concurrence by AQS	Monitors NOT Recommended for Concurrence by AQS
Ozone	44201	3	3	0

PQAOs in Report:

PQAO Name	PQAO Code	TSA Date
USEPA - Clean Air Markets Division	1344	

Summary of 'N' flags for all pollutants:

PQAO	Parameter Code	AQS Site-ID	POC	AQS Recommended Flag	Cert. Agency Recommended Flag	Reason for AQS Recommendation

Signature of Monitoring Organization Representative: _____

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code National Park Service (0745)
Parameter Sulfur dioxide (42401) (ppb)
PQAO Name National Park Service (0745)
QAPP Approval Date 06/06/2007

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-121-8001	1	EPA					0	0					0		Y	Y	N		

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Carbon monoxide (42101) (ppm)
PQAO Name Central Ohio PQAO (1453)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-013-0006	1	SLAMS	0.152	0.000	0.700	0	0	99	0.73	+1.38	100	5.83	100		Y	Y	Y	Y	S
39-049-0005	1	SLAMS	0.291	0.000	2.200	0	0	99	1.54	-3.25	100	1.15	100		Y	Y	Y	Y	S
39-049-0038	1	SLAMS	0.162	0.000	2.200	0	0	98	3.26	+/-2.78	100	0.14	100		Y	Y	Y	Y	S

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
2	2.43955	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-035-0051	1	SLAMS	0.300	- 0.100	6.300	0	0	94	3.46	+5.62	96	4.07	100	3.12	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Carbon monoxide (42101) (ppm)

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-035-0060	1	SLAMS	0.271	0.000	2.237	0	0	93	3.24	+/-2.53	100	3.21	100		Y	Y	Y	Y	S
39-035-0073	1	SLAMS	0.231	0.000	1.125	0	0	93	4.98	+/-3.82	96	- 3.92	100		Y	Y	Y	Y	S
39-085-0006	1	SLAMS	0.339	0.000	1.800	0	0	99	1.68	+/-1.63	100	- 2.40	100		Y	Y	Y	Y	S
39-151-0020	1	SLAMS	0.345	0.000	3.500	0	0	98	3.79	+5.45	85	4.00	100		Y	Y	Y	Y	S
39-153-0020	1	SLAMS	0.120	- 0.100	1.300	0	0	99	4.88	+/-3.57	88	2.57	100		Y	Y	Y	Y	S
39-153-0025	1	SLAMS	0.120	0.000	2.600	0	0	95	3.27	+/-2.63	83	- 5.50	100	1.76	Y	Y	Y	Y	S

PQAO Name South West Ohio PQAO (1455)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
1	4.75880	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-061-0040	1	SLAMS	0.261	0.072	1.216	0	0	89	5.86	+/-5.09	88	1.48	100		Y	Y	Y	Y	S
39-061-0048	1	SLAMS	0.365	0.071	2.575	0	0	99	5.90	+/-5.15	96	- 3.26	100		Y	Y	Y	Y	S
39-113-0034	1	SLAMS	0.351	0.000	1.700	0	0	99	4.49	+/-4.36	100	0.52	100	4.76	Y	Y	Y	Y	S
39-135-1001	1	SLAMS	0.159	0.010	1.310	0	0	94	8.30	+/-6.56	92	- 4.13	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Nitrogen dioxide (NO2) (42602) (ppb)

PQAO Name Central Ohio PQAO (1453)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-013-0006	1	SLAMS	7.0	0.0	48.0		0	95	2.21	+/-1.83	100	3.01	100		Y	Y	Y	Y	S
39-049-0037	1	SLAMS	10.2	0.0	54.0		0	94	5.35	-5.23	100		0		Y	Y	N	N	S
39-049-0038	1	SLAMS	12.3	0.0	58.0		0	95	4.24	+/-4.81	100	- 2.92	100		Y	Y	Y	Y	S

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-035-0060	1	SLAMS	12.9	0.0	58.0		0	93	3.84	+/-3.33	100	- 14.52	100		Y	Y	Y	Y	S
39-035-0073	1	SLAMS	9.4	0.0	59.0		0	86	6.10	+/-5.82	85	6.07	100		Y	Y	Y	Y	S

PQAO Name South West Ohio PQAO (1455)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-061-0040	1	SLAMS	11.0	1.0	65.0		0	94	3.34	+/-2.68	100	- 6.64	100		Y	Y	Y	Y	S
39-061-0048	1	SLAMS	21.6	1.0	85.0		0	93	4.52	+/-3.63	100	- 5.62	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Ozone (44201) (ppm)

PQAO Name Central Ohio PQAO (1453)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
3	5.53954	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-003-0009	1	SLAMS	0.048	0.025	0.076	0	0	95	1.94	+/-1.58	100	- 0.01	100		Y	Y	Y	Y	S
39-041-0002	1	SLAMS	0.047	0.021	0.078	0	0	96	1.87	+/-1.56	100	- 0.13	100		Y	Y	Y	Y	S
39-049-0029	1	SLAMS	0.051	0.019	0.082	0	0	95	1.27	+/-1.02	100	1.76	100		Y	Y	Y	Y	S
39-049-0037	1	SLAMS	0.047	0.013	0.073	0	0	95	1.97	+/-1.81	100	0.40	100		Y	Y	Y	Y	S
39-049-0081	1	SLAMS	0.046	0.015	0.082	0	0	95	0.82	+/-0.70	100	- 0.28	100	5.54	Y	Y	Y	Y	S
39-081-0017	1	SLAMS	0.048	0.018	0.078	0	0	96	6.59	+/-6.09	100	0.12	100		Y	Y	Y	Y	S
39-083-0002	1	SLAMS	0.048	0.022	0.085	0	0	94	1.87	+/-1.58	100	2.79	100		Y	Y	Y	Y	S
39-089-0005	1	SLAMS	0.049	0.022	0.076	0	0	95	3.04	-2.76	100	0.80	100		Y	Y	Y	Y	S
39-095-0024	1	SLAMS	0.046	0.015	0.072	0	0	94	3.37	-2.50	80	- 5.19	100		Y	Y	Y	Y	S
39-095-0027	1	SLAMS	0.046	0.022	0.084	0	0	99	1.01	+/-0.88	87	0.78	100	1.97	Y	Y	Y	Y	S
39-095-0034	1	SLAMS	0.047	0.022	0.076	0	0	92	0.79	+/-0.85	87	2.02	100		Y	Y	Y	Y	S
39-097-0007	1	SLAMS	0.049	0.020	0.077	0	0	95	1.41	+/-1.15	100	1.05	100		Y	Y	Y	Y	S
39-167-0004	1	SLAMS	0.048	0.016	0.083	0	0	95	3.58	+/-2.95	100	1.77	100	6.37	Y	Y	Y	Y	S
39-173-0003	1	SLAMS	0.047	0.022	0.071	0	0	95	1.33	+/-1.14	100	1.46	100		Y	Y	Y	Y	S

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
5	6.14353	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-007-1001	1	SLAMS	0.050	0.024	0.092	0	0	94	1.61	+2.25	100	4.51	100		Y	Y	Y	Y	S
39-035-0034	1	SLAMS	0.046	0.019	0.075	0	0	96	2.10	+/-1.54	93	1.47	100	6.14	Y	Y	Y	Y	S
39-035-0060	1	SLAMS	0.044	0.006	0.077	0	0	93	0.90	+/-1.13	100	0.32	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Ozone (44201) (ppm)

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-035-0064	1	SLAMS	0.046	0.017	0.085	0	0	98	1.83	+/-1.46	100	- 0.53	100		Y	Y	Y	Y	S
39-035-5002	1	SLAMS	0.048	0.020	0.080	0	0	99	1.83	+/-1.44	100	4.98	100		Y	Y	Y	Y	S
39-055-0004	1	SLAMS	0.052	0.025	0.086	0	0	100	2.80	+/-2.25	100	- 1.00	100		Y	Y	Y	Y	S
39-085-0003	1	SLAMS	0.051	0.025	0.084	0	0	98	1.79	+/-1.41	100	1.14	100		Y	Y	Y	Y	S
39-085-0007	1	SLAMS	0.049	0.024	0.081	0	0	99	0.79	+/-0.67	100	2.02	100		Y	Y	Y	Y	S
39-093-0018	1	SLAMS	0.046	0.020	0.070	0	0	95	3.75	+/-3.54	100	1.61	100	5.68	Y	Y	Y	Y	S
39-099-0013	1	SLAMS	0.049	0.015	0.076	0	0	93	1.55	+/-1.21	87	10.57	100	4.26	Y	Y	Y	Y	S
39-103-0004	1	SLAMS	0.048	0.021	0.073	0	0	99	1.94	+/-1.64	100	0.90	100	8.19	Y	Y	Y	Y	S
39-133-1001	1	SLAMS	0.043	0.019	0.071	0	0	95	1.38	+/-1.14	100	2.25	100		Y	Y	Y	Y	S
39-151-0016	1	SLAMS	0.050	0.002	0.082	0	0	98	2.87	+/-2.31	100	2.18	100		Y	Y	Y	Y	S
39-151-0022	1	SLAMS	0.048	0.021	0.077	0	0	98	1.27	+/-1.08	87	- 0.05	100	6.97	Y	Y	Y	Y	S
39-151-4005	1	SLAMS	0.049	0.017	0.078	0	0	98	0.90	+/-0.70	93	1.35	100		Y	Y	Y	Y	S
39-153-0020	1	SLAMS	0.044	0.014	0.073	0	0	99	3.11	+/-2.43	100	- 0.02	100		Y	Y	Y	Y	S
39-155-0011	1	SLAMS	0.050	0.023	0.079	0	0	93	1.44	+/-1.13	100	1.62	100		Y	Y	Y	Y	S
39-155-0013	1	SLAMS	0.044	0.008	0.074	0	0	93	2.37	+/-1.72	87	2.14	100		Y	Y	Y	Y	S

PQAO Name South West Ohio PQAO (1455)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
4	2.67352	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-017-0004	1	SLAMS	0.051	0.017	0.085	0	0	95	3.58	+/-2.98	100	4.04	100		Y	Y	Y	Y	S
39-017-0018	1	SLAMS	0.052	0.018	0.082	0	0	100	2.16	+/-2.29	100	- 5.41	100		Y	Y	Y	Y	S
39-023-0001	1	SLAMS	0.050	0.020	0.086	0	0	100	1.97	+/-1.47	87	0.49	100		Y	Y	Y	Y	S
39-023-0003	1	SLAMS	0.048	0.019	0.086	0	0	100	0.60	-2.19	87	- 0.67	100		Y	Y	Y	Y	S
39-025-0022	1	SLAMS	0.050	0.019	0.087	0	0	100	3.53	+/-3.02	100	- 1.85	100	4.66	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Ozone (44201) (ppm)
PQAO Name South West Ohio PQAO (1455)
QAPP Approval Date

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-027-1002	1	SLAMS	0.048	0.017	0.082	0	0	96					0		Y	Y	N	N	S
39-057-0006	1	SLAMS	0.049	0.018	0.086	0	0	100	2.15	+/-2.01	80	0.33	100		Y	Y	Y	Y	S
39-061-0006	1	SLAMS	0.052	0.017	0.090	0	0	98	2.47	+/-2.49	100	3.89	100		Y	Y	Y	Y	S
39-061-0010	1	SLAMS	0.052	0.017	0.092	0	0	100	3.71	+/-3.54	100	4.29	100	2.10	Y	Y	Y	Y	S
39-061-0040	1	SLAMS	0.049	0.005	0.088	0	0	99	1.59	+/-1.74	100	0.14	100		Y	Y	Y	Y	S
39-087-0011	1	SLAMS	0.048	0.016	0.073	0	0	95	1.67	+/-1.49	87	3.75	100		Y	Y	Y	Y	S
39-087-0012	1	SLAMS	0.048	0.015	0.081	0	0	95	1.84	+1.98	87	2.27	100	0.89	Y	Y	Y	Y	S
39-109-0005	1	SLAMS	0.049	0.019	0.083	0	0	100	2.30	-2.07	87	- 2.86	100		Y	Y	Y	Y	S
39-113-0037	1	SLAMS	0.049	0.017	0.079	0	0	100	1.34	+/-1.42	80	0.37	100		Y	Y	Y	Y	S
39-135-1001	1	SLAMS	0.048	0.009	0.077	0	0	100	0.89	+1.40	87	2.12	100		Y	Y	Y	Y	S
39-165-0007	1	SLAMS	0.051	0.017	0.089	0	0	100	2.80	-3.62	100	1.59	100	3.25	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Sulfur dioxide (42401) (ppb)

PQAO Name Central Ohio PQAO (1453)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
2	1.50871	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-003-0009	1	SLAMS	0.3	0.0	30.0		0	96	4.41	+/-3.55	100	- 1.01	100		Y	Y	Y	Y	S
39-013-0006	1	SLAMS	0.3	0.0	21.0		0	96	3.70	+/-2.89	100	- 4.97	100		Y	Y	Y	Y	S
39-013-3002	2	SLAMS	1.5	0.0	49.0		0	96	4.46	+6.05	100		0		Y	Y	N	N	S
Submitter Comment Site replaced by site 39-013-0006 before audit was done																			
39-049-0034	1	SLAMS	0.1	0.0	17.0		0	95	2.46	+/-2.22	100	- 2.20	100	2.01	Y	Y	Y	Y	S
39-081-0017	1	SLAMS	1.2	0.0	40.0		0	96	4.27	+/-3.46	100	- 0.85	100	1.00	Y	Y	Y	Y	S
39-095-0008	2	SLAMS	0.9	0.0	30.0		0	75	12.86	+/-7.58	100	2.82	100		Y	Y	Y	Y	S
39-105-0003	1	SLAMS	0.8	0.0	52.0		0	94	4.03	+/-3.26	100	- 3.03	100		Y	Y	Y	Y	S
39-115-0004	1	SLAMS	1.9	0.0	164.0		0	96	4.10	+/-3.39	100	- 4.26	100		Y	Y	Y	Y	S

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
3	6.68150	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-007-1001	1	SLAMS	1.6	0.0	58.0		0	96	3.05	+4.05	100	5.88	100		Y	Y	Y	Y	S
39-029-0019	1	SLAMS	1.0	0.0	29.0		0	95	2.66	+/-2.06	100	3.75	100		Y	Y	Y	Y	S
39-035-0038	2	SLAMS	2.9	0.0	75.0		0	97	3.29	-3.75	100	0.26	100	3.45	Y	Y	Y	Y	S
39-035-0045	1	SLAMS	0.8	0.0	51.0		0	98	5.26	+/-5.63	96	- 4.17	100		Y	Y	Y	Y	S
39-035-0060	1	SLAMS	2.3	0.0	92.0		0	94	1.50	+/-1.70	100	- 1.06	100		Y	Y	Y	Y	S
39-035-0060	2	SLAMS	2.5	- 0.1	86.7		0	94	1.85	+/-1.45	100	- 2.14	100		Y	Y	Y	Y	S
39-035-0065	1	SLAMS	1.3	0.0	92.0		0	88	4.82	+/-3.61	100	1.32	100		Y	Y	Y	Y	S
39-085-0003	1	SLAMS	1.8	- 1.0	50.0		0	99	1.90	+/-1.88	100	2.23	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Sulfur dioxide (42401) (ppb)

PQAO Name North East Ohio PQAO (1454)
QAPP Approval Date

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-085-0007	1	SLAMS	3.1	- 1.0	198.0		0	99	1.20	+/-0.91	100	4.64	100	6.68	Y	Y	Y	Y	S
39-099-0013	1	SLAMS	0.9	- 2.0	49.0		0	94	1.60	+/-1.26	69	0.39	100		Y	Y	Y	Y	S
39-153-0017	1	SLAMS	0.7	0.0	46.0		0	95	2.67	+/-2.03	92	3.53	100		Y	Y	Y	Y	S
39-153-0025	1	SLAMS	0.9	- 1.0	39.0		0	95	2.56	+/-2.18	83	2.90	100	7.19	Y	Y	Y	Y	S

PQAO Name Shell Engineering & Assoc., MO (1373)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-081-0018	1	INDUSTRIAL	2.8	1.0	101.0		0	95	0.93	+/-1.05	96	- 3.11	100		Y	Y	Y	Y	S
39-081-0020	1	INDUSTRIAL	1.3	0.0	44.0		0	95	3.08	+/-2.15	100	- 2.90	100		Y	Y	Y	Y	S

PQAO Name South West Ohio PQAO (1455)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
2	2.90292	Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-001-0001	1	SLAMS	1.0	0.0	20.0		0	93	4.12	+/-3.10	96	- 2.66	100		Y	Y	Y	Y	S
39-017-0019	1	INDUSTRIAL	1.2	- 2.0	102.0		0	94	2.35	+/-1.93	100	- 5.49	100		Y	Y	Y	Y	S
39-017-0020	1	INDUSTRIAL	1.4	0.0	81.0		0	99	2.65	+/-2.20	100	0.47	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Ohio EPA Central Office (1256)
Parameter Sulfur dioxide (42401) (ppb)

PQAO Name South West Ohio PQAO (1455)
QAPP Approval Date

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-017-0021	1	INDUSTRIAL	1.7	- 1.0	44.0		0	99	5.02	+/-4.62	100	- 3.79	100		Y	Y	Y	Y	S
39-023-0003	1	SLAMS	0.4	0.0	21.0		0	100	3.73	+/-3.12	100	0.86	100		Y	Y	Y	Y	S
39-061-0010	2	SLAMS	1.3	- 1.0	67.0		0	99	1.43	+/-1.73	100	- 8.56	100	3.78	Y	Y	Y	Y	S
39-061-0040	1	SLAMS	1.6	- 0.2	45.9		0	68	3.56	+/-3.02	77	0.65	100		Y	Y	N	N	S
39-087-0012	1	SLAMS	0.4	0.0	25.0		0	95	7.24	+/-4.34	96	- 9.95	100	2.03	Y	Y	Y	Y	S
39-135-1001	1	SLAMS	0.6	- 0.1	115.2		0	95	3.22	+/-2.26	88	- 7.67	100		Y	Y	Y	Y	S
39-145-0013	1	SLAMS	0.8	- 1.0	28.0		0	94	3.53	+/-2.75	88	- 8.59	100		Y	Y	Y	Y	S

PQAO Name URSCorp, TX (1299)
QAPP Approval Date 02/27/2013

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
39-145-0020	1	INDUSTRIAL	1.5	0.2	29.4		0	99	1.79	+8.63	73	1.84	100		Y	Y	Y	Y	S
39-145-0022	1	INDUSTRIAL	2.4	1.5	29.8		0	99	1.99	+3.08	69	0.02	100		Y	Y	Y	Y	S

Certifying Year 2015
Certifying Agency Code USEPA - Clean Air Markets Division (1344)
Parameter Ozone (44201) (ppm)

PQAO Name USEPA - Clean Air Markets Division (1344)
QAPP Approval Date 10/02/2011

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
16	2.51448	Y

Routine Data | One Point Quality Check | Annual PE | NPAP | Concur. Flag

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code USEPA - Clean Air Markets Division (1344)
Parameter Ozone (44201) (ppm)
PQAO Name USEPA - Clean Air Markets Division (1344)
QAPP Approval Date 10/02/2011

			Routine Data						One Point Quality Check			Annual PE		NPAP			Concur. Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	Precision	Bias	Complete	Bias	Complete	Bias	PQAO Level Criteria	QAPP Appr.	Aqs Rec Flag	CA Rec Flag	Epa Concur
39-017-9991	1	EPA	0.048	0.011	0.079	0	0	86	1.87	-2.99	100	- 1.66	100		Y	Y	Y	Y	S
39-047-9991	1	EPA	0.048	0.016	0.079	0	0	93	1.90	+/-1.69	100	- 0.14	100	5.54	Y	Y	Y	Y	S
39-121-9991	1	EPA	0.049	0.012	0.086	0	0	94	1.04	-1.22	100	- 0.83	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM10 Total 0-10um STP (81102) CONTINUOUS
PQAO Name: North East Ohio PQAO (1454)
Quality Assurance Project Plan Approval Date:

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Verification		Flow Rate Audit			Collocation Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	Bias	% Complete	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-035-0060	3	SLAMS	31.49	.0	420.0		0	99	+/-1.00	100	-0.73	100	Y	Y	Y	S

Parameter: PM10 Total 0-10um STP (81102) CONTINUOUS
PQAO Name: South West Ohio PQAO (1455)
Quality Assurance Project Plan Approval Date:

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Verification		Flow Rate Audit			Collocation Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	Bias	% Complete	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-061-0040	9	SLAMS	21.55	-1.0	122.0		0	97	-3.94	100	-2.27	100	Y	Y	Y	S

Parameter: PM10 Total 0-10um STP (81102) CONTINUOUS
PQAO Name: URSCorp, TX (1299)
Quality Assurance Project Plan Approval Date: 02/27/2013

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Verification		Flow Rate Audit			Collocation Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	Bias	% Complete	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-145-0020	1	INDUSTRIAL	12.44	.0	321.0		0	99	+/-1.18	100	-1.87	100	Y	Y	Y	S
39-145-0021	1	INDUSTRIAL	15.57	.0	325.0		0	98	-0.79	100	-1.24	100	Y	Y	Y	S
39-145-0022	1	INDUSTRIAL	13.66	.0	208.0		0	99	+/-1.14	100	-3.40	100	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM10 Total 0-10um STP (81102) INTERMITTENT
PQAO Name: Central Ohio PQAO (1453)
Quality Assurance Project Plan Approval Date:

Collocation Summary

# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
4	1	3	100	5.86	6.42	Y

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Audit		Collocation				Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-013-0006	1	SLAMS	22.00	3.0	39.0	0	0	93	-2.48	100	11.22	100	Y	Y	Y	Y	S
39-013-0006	2	SLAMS	19.79	3.0	37.0	0	0	80	-3.07	100			Y	Y	Y	Y	S
39-049-0024	1	SLAMS	24.62	7.0	55.0	0	0	91	+0.60	100	7.05	100	Y	Y	Y	Y	S
39-049-0024	2	SLAMS	23.96	6.0	52.0	0	0	91	-0.95	100			Y	Y	Y	Y	S
39-081-0001	1	SLAMS	21.42	4.0	45.0	0	0	100	-0.86	100			Y	Y	Y	Y	S
39-081-0017	1	SLAMS	22.10	4.0	44.0	0	0	100	+1.37	100	3.78	100	Y	Y	Y	Y	S
39-081-0017	2	SLAMS	21.67	4.0	43.0	0	0	100	+2.86	100			Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM10 Total 0-10um STP (81102) INTERMITTENT
PQAO Name: North East Ohio PQAO (1454)
Quality Assurance Project Plan Approval Date:

Collocation Summary

# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
13	2	5	100	6.90	7.45	Y

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Audit		Collocation				Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-029-0020	1	SLAMS	19.62	3.0	54.0	0	0	100	-0.68	100			Y	Y	Y	Y	S
39-029-0022	1	SLAMS	17.16	5.0	34.0	0	0	95	+1.09	100	6.89	100	Y	Y	Y	Y	S
39-029-0022	2	SLAMS	16.02	4.0	33.0	0	0	96	+0.72	100			Y	Y	Y	Y	S
39-035-0038	1	SLAMS	23.24	3.0	56.0	0	0	100	+1.94	100			Y	Y	Y	Y	S
39-035-0038	4	SLAMS	25.56	7.0	60.0	0	0	100	+2.14	100			Y	Y	Y	Y	S
39-035-0038	6	SLAMS	31.76	6.0	90.0	0	0	100	+0.45	100			Y	Y	Y	Y	S
39-035-0038	7	SLAMS	23.96	6.0	51.0	0	0	100	+3.70	100			Y	Y	Y	Y	S
39-035-0038	8	SLAMS	28.71	6.0	59.0	0	0	100	+0.96	100			Y	Y	Y	Y	S
39-035-0045	1	SLAMS	23.45	4.0	44.0	0	0	100	+3.05	100	5.94	100	Y	Y	Y	Y	S
39-035-0045	2	SLAMS	23.40	5.0	43.0	0	0	100	+2.03	100			Y	Y	Y	Y	S
39-035-0060	1	SLAMS	41.93	10.0	119.0	0	0	95	+3.94	100			Y	Y	Y	Y	S
39-035-0065	1	SLAMS	37.28	5.0	83.0	0	0	96	+1.38	100			Y	Y	Y	Y	S
39-035-1002	1	SLAMS	15.67	5.0	35.0	0	0	100	+3.63	100			Y	Y	Y	Y	S
39-085-1001	1	SLAMS	17.16	3.0	35.0	0	0	95	-1.79	100	4.24	100	Y	Y	Y	Y	S
39-085-1001	2	SLAMS	17.37	2.0	36.0	0	0	95	-1.63	100			Y	Y	Y	Y	S
39-093-3002	1	SLAMS	10.07	3.0	35.0	0	0	98	+3.58	100			Y	Y	Y	Y	S
39-099-0005	1	SLAMS	15.72	3.0	32.0	0	0	96	-2.88	100			Y	Y	Y	Y	S
39-099-0006	1	SLAMS	19.20	3.0	57.0	0	0	98	-1.80	100	9.58	100	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM10 Total 0-10um STP (81102) INTERMITTENT
PQAO Name: North East Ohio PQAO (1454)
Quality Assurance Project Plan Approval Date:

Collocation Summary

# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
13	2	5	100	6.90	7.45	Y

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Audit		Collocation				Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-099-0006	2	SLAMS	18.68	2.0	56.0	0	0	98	-3.87	100			Y	Y	Y	Y	S
39-155-0005	1	SLAMS	16.65	1.0	43.0	0	0	80	-2.61	100	26.72	100	Y	Y	Y	Y	S
39-155-0005	2	SLAMS	14.71	1.0	31.0	0	0	84	-7.47	100			Y	Y	Y	Y	S
39-155-0006	1	SLAMS	12.75	.0	34.0	0	0	93	-3.65	100			Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM10 Total 0-10um STP (81102) INTERMITTENT
PQAO Name: South West Ohio PQAO (1455)
Quality Assurance Project Plan Approval Date:

Collocation Summary

# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
12	2	4	100	4.11	4.41	Y

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Audit		Collocation				Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-017-0003	1	SLAMS	20.07	8.0	45.0	0	0	96	+0.41	100			Y	Y	Y	Y	S
39-017-0015	1	SLAMS	23.38	7.0	46.0	0	0	96	+0.19	100			Y	Y	Y	Y	S
39-017-0019	1	INDUSTRIAL	20.23	4.0	42.0	0	0	100	-1.21	100			Y	Y	Y	Y	S
39-017-0020	1	INDUSTRIAL	38.46	10.0	97.0	0	0	98	-0.12	100			Y	Y	Y	Y	S
39-057-0005	1	SLAMS	13.42	4.0	42.0	0	0	95	-0.79	100			Y	Y	Y	Y	S
39-061-0014	1	SLAMS	23.63	9.0	51.0	0	0	100	-0.17	100			Y	Y	Y	Y	S
39-061-0040	4	SLAMS	16.49	3.0	44.0	0	0	97	-1.27	100	4.37	100	Y	Y	Y	Y	S
39-061-0040	5	SLAMS	17.00	3.0	46.0	0	0	96	-0.32	100			Y	Y	Y	Y	S
39-061-5001	1	SLAMS	20.08	8.0	43.0	0	0	100	-0.47	100	4.80	100	Y	Y	Y	Y	S
39-061-5001	2	SLAMS	19.65	8.0	44.0	0	0	100	-0.97	100			Y	Y	Y	Y	S
39-087-0012	1	SLAMS	17.45	8.0	41.0	0	0	100	+0.80	70			Y	Y	Y	Y	S
39-113-7001	1	SLAMS	18.69	5.0	49.0	0	0	98	-2.40	100	4.98	100	Y	Y	Y	Y	S
39-113-7001	2	SLAMS	18.85	5.0	50.0	0	0	98	-0.85	100			Y	Y	Y	Y	S
39-145-0013	1	SLAMS	16.56	8.0	42.0	0	0	98	+5.94	70	4.21	100	Y	Y	Y	Y	S
39-145-0013	2	SLAMS	16.72	7.0	40.0	0	0	100	+2.80	70			Y	Y	Y	Y	S
39-145-0019	1	SLAMS	16.37	7.0	32.0	0	0	95	+3.32	100			Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: Central Ohio PQAO (1453)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	2	1	0	0			N
120	1	1	1	100	8.88	12.06	Y
142	3	1	2	100	9.24	10.28	Y
145	8	1	3	100	5.16	5.61	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	3	8	9	100	+0.16	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	% Complete	Collocation CV	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	CA Rec Flag	EPA Concur
39-003-0009	1	142	SLAMS	9.63	1.7	26.7		0	90	+1.12	100	9.34	100	Y	Y	Y	Y	Y	S
39-009-0003	1	142	SLAMS	7.35	1.9	18.6		0	93	-2.02	100	12.05	100	Y	Y	Y	Y	Y	S
39-009-0003	2	142	SLAMS	7.27	2.4	19.9		0	83	-1.72	100			Y	Y	Y	Y	Y	S
39-013-0006	1	145	SLAMS	8.72	1.5	23.9		0	98	-1.42	100			Y	Y	Y	Y	Y	S
39-049-0024	1	145/118	SLAMS	9.93	2.1	24.2		0	90	-2.05	100			Y	Y	Y	Y	Y	S
39-049-0039	1	120/145	SLAMS	10.35	2.1	30.7		0	95	-1.18	100	8.25	100	Y	Y	Y	Y	Y	S
39-049-0039	2	145/120	SLAMS	11.02	3.3	28.4		0	93	-0.80	100			Y	Y	Y	Y	Y	S
39-049-0081	1	118/145	SLAMS	9.81	1.7	24.9		0	100	-1.45	100			Y	Y	Y	Y	Y	S
39-081-0017	1	145	SLAMS	10.74	1.9	37.5		0	90	-2.63	100	7.53	100	Y	Y	Y	Y	Y	S
39-081-0017	2	145	SLAMS	11.20	2.4	24.1		0	83	-1.07	100			Y	Y	Y	Y	Y	S
39-081-0021	1	142	SLAMS	9.15	1.8	26.7		0	100	-1.32	100			Y	Y	Y	Y	Y	S
39-081-0021	4	142	SLAMS	10.66	3.1	36.0		0	100	-0.12	100			Y	Y	Y	Y	Y	S
39-095-0024	1	145	SLAMS	10.15	2.0	40.3		0	97	-1.42	100	2.35	100	Y	Y	Y	Y	Y	S
39-095-0024	2	145	SLAMS	10.68	2.8	23.2		0	95	-1.33	100			Y	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: Central Ohio PQAO (1453)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	2	1	0	0			N
120	1	1	1	100	8.88	12.06	Y
142	3	1	2	100	9.24	10.28	Y
145	8	1	3	100	5.16	5.61	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	3	8	9	100	+0.16	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	Flow Rate Audit % Complete	Collocation CV	Collocation % Complete	Collocation PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	Concurrence Flag CA Rec Flag	Concurrence Flag EPA Concur
39-095-0026	1	145	SLAMS	9.59	2.3	37.0		0	98	-1.33	100			Y	Y	Y	Y	Y	S
39-095-0028	1	145	SLAMS	9.96	2.6	38.4		0	99	-1.10	100			Y	Y	Y	Y	Y	S
39-003-0009	2	142	SLAMS	9.80	1.7	26.5		0	78	+0.42	50			Y	Y	Y	N	N	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: North East Ohio PQAO (1454)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
120	3	1	2	100	6.60	7.28	Y
142	5	1	2	100	4.40	4.82	Y
145	9	1	2	100	3.93	4.24	Y
179	1	1	0	0			N

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	4	8	7	87.5	-6.20	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	% Complete	Collocation CV	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	CA Rec Flag	EPA Concur
39-035-0034	1	145	SLAMS	9.17	1.5	25.2		0	98	-2.20	100			Y	Y	Y	Y	Y	S
39-035-0038	1	145	SLAMS	11.77	2.9	38.5		0	92	+1.10	100	3.80	100	Y	Y	Y	Y	Y	S
39-035-0038	2	145	SLAMS	11.76	2.8	39.3		0	100	-3.35	100			Y	Y	Y	Y	Y	S
39-035-0045	1	145/ 120	SLAMS	10.95	2.4	28.3		0	95	-3.43	100			Y	Y	Y	Y	Y	S
39-035-0065	1	145	SLAMS	13.34	2.2	36.5		0	98	-2.04	100			Y	Y	Y	Y	Y	S
39-035-1002	1	145	SLAMS	9.05	1.7	24.8		0	96	-0.91	100			Y	Y	Y	Y	Y	S
39-085-0007	1	120	SLAMS	8.13	1.6	21.5		0	97	+0.40	100	8.19	100	Y	Y	Y	Y	Y	S
39-085-0007	2	120	SLAMS	8.47	1.5	20.9		0	95	-0.36	100			Y	Y	Y	Y	Y	S
39-093-3002	1	120	SLAMS	8.31	1.5	27.4		0	96	+1.36	100	6.75	100	Y	Y	Y	Y	Y	S
39-093-3002	2	120	SLAMS	8.67	2.2	29.9		0	93	-0.68	100			Y	Y	Y	Y	Y	S
39-099-0005	1	142	SLAMS	10.84	1.9	32.4		0	95	+1.47	100	5.85	100	Y	Y	Y	Y	Y	S
39-099-0005	2	142	SLAMS	11.02	1.8	32.0		0	100	-1.20	100			Y	Y	Y	Y	Y	S
39-099-0014	1	142	SLAMS	10.51	1.4	34.8		0	100	+0.85	100			Y	Y	Y	Y	Y	S
39-099-0014	4	142	SLAMS	9.66	2.6	24.0		0	100	+1.03	100			Y	Y	Y	Y	Y	S
39-103-0004	1	145	SLAMS	7.57	1.4	22.6		0	95	-0.07	100			Y	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: North East Ohio PQAO (1454)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
120	3	1	2	100	6.60	7.28	Y
142	5	1	2	100	4.40	4.82	Y
145	9	1	2	100	3.93	4.24	Y
179	1	1	0	0			N

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	4	8	7	87.5	-6.20	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	% Complete	Collocation CV	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	CA Rec Flag	EPA Concur
39-133-0002	1	145	SLAMS	8.93	1.6	22.9		0	95	-1.24	100			Y	Y	Y	Y	Y	S
39-151-0017	1	142	SLAMS	11.43	2.3	32.2		0	99	+2.11	100	4.09	100	Y	Y	Y	Y	Y	S
39-151-0017	2	142	SLAMS	12.39	3.3	33.2		0	100	-1.39	100			Y	Y	Y	Y	Y	S
39-151-0020	1	142	SLAMS	10.45	2.4	38.2		0	97	+1.15	100			Y	Y	Y	Y	Y	S
39-153-0017	1	145	SLAMS	10.22	1.8	35.1		0	93	-2.47	100	4.82	100	Y	Y	Y	Y	Y	S
39-153-0017	2	145	SLAMS	10.91	1.9	35.7		0	86	-2.58	100			Y	Y	Y	Y	Y	S
39-153-0017	3	170	SPM	13.87	-7.6	196.1		0	97	-2.10	100			Y	Y	Y	Y	Y	S
39-153-0023	1	145	SLAMS	9.93	1.9	47.0		0	84	-1.41	100			Y	Y	Y	Y	Y	S
39-155-0005	1	142	SLAMS	11.79	5.3	27.5		0	78	+/-0.00	100			Y	Y	Y	Y	Y	S
39-155-0005	4	142	SLAMS	9.65	2.9	20.6		0	78	-0.12	100			Y	Y	Y	Y	Y	S
39-035-0060	1	179	SLAMS	11.28	2.6	26.1		0	76	-1.77	100			N	Y	Y	N	N	S
39-103-0004	3	170	SPM	11.63	-8.0	55.6		0	94	+10.30	100			Y	Y	Y	N	N	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: South West Ohio PQAO (1455)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	2	1	1	100	5.57	6.41	Y
120	1	1	1	100	4.05	4.63	Y
142	11	2	2	100	5.01	5.52	Y
145	3	1	1	100	5.01	5.74	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	3	8	8	100	-4.80	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	% Complete	Collocation CV	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	CA Rec Flag	EPA Concur
39-017-0003	1	142	SLAMS	9.67	3.7	20.7		0	100	-2.67	100			Y	Y	Y	Y	Y	S
39-017-0003	4	142	SLAMS	11.01	2.0	23.4		0	100	-2.56	100			Y	Y	Y	Y	Y	S
39-017-0016	1	142	SLAMS	8.54	2.9	22.6		0	100	-2.54	100			Y	Y	Y	Y	Y	S
39-017-0016	4	142	SLAMS	10.41	2.3	30.8		0	100	-2.16	100			Y	Y	Y	Y	Y	S
39-017-0019	1	142	INDUSTRIAL	9.50	2.7	21.2		0	100	-1.64	100			Y	Y	Y	Y	Y	S
39-017-0019	4	142	INDUSTRIAL	10.95	2.2	26.6		0	100	-1.91	100			Y	Y	Y	Y	Y	S
39-017-0020	1	142	INDUSTRIAL	11.06	4.3	22.4		0	100	-0.36	100			Y	Y	Y	Y	Y	S
39-017-0020	4	142	INDUSTRIAL	12.52	3.0	27.8		0	100	-2.16	100			Y	Y	Y	Y	Y	S
39-017-0022	1	142	SPM	12.08	3.9	31.8		0	96	-0.45	100			Y	Y	Y	Y	Y	S
39-023-0005	1	142	SLAMS	8.31	2.5	21.6		0	100	-1.71	100			Y	Y	Y	Y	Y	S
39-023-0005	4	142	SLAMS	9.69	1.9	26.8		0	100	-1.02	100			Y	Y	Y	Y	Y	S
39-057-0005	1	142	SLAMS	8.33	2.2	17.7		0	100	-3.04	100	7.26	100	Y	Y	Y	Y	Y	S
39-057-0005	2	142	SLAMS	8.48	2.0	17.3		0	100	-1.68	100			Y	Y	Y	Y	Y	S
39-057-0005	4	142	SLAMS	8.22	2.2	20.9		0	100	-2.68	100			Y	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: South West Ohio PQAO (1455)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	2	1	1	100	5.57	6.41	Y
120	1	1	1	100	4.05	4.63	Y
142	11	2	2	100	5.01	5.52	Y
145	3	1	1	100	5.01	5.74	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	3	8	8	100	-4.80	Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	% Complete	Collocation CV	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	CA Rec Flag	EPA Concur
39-061-0006	1	142	SLAMS	9.31	2.2	25.8		0	97	-0.82	100			Y	Y	Y	Y	Y	S
39-061-0010	1	142	SLAMS	9.45	2.2	21.4		0	100	+0.27	100			Y	Y	Y	Y	Y	S
39-061-0010	4	142	SLAMS	8.92	2.7	21.8		0	100	-0.45	100			Y	Y	Y	Y	Y	S
39-061-0014	1	120	SLAMS	10.68	2.1	26.6		0	95	-0.66	100	4.63	100	Y	Y	Y	Y	Y	S
39-061-0014	2	120	SLAMS	11.27	3.5	25.0		0	98	-0.89	100			Y	Y	Y	Y	Y	S
39-061-0040	1	142	SLAMS	9.24	2.1	24.6		0	98	-1.21	100	4.07	100	Y	Y	Y	Y	Y	S
39-061-0040	4	142	SLAMS	9.44	2.2	22.0		0	96	-0.53	100			Y	Y	Y	Y	Y	S
39-061-0042	1	142	SLAMS	9.73	2.9	25.0		0	100	-0.82	100			Y	Y	Y	Y	Y	S
39-061-0042	4	142	SLAMS	10.47	2.3	27.0		0	100	-0.27	100			Y	Y	Y	Y	Y	S
39-087-0012	1	118/ 145	SLAMS	7.28	1.8	17.9		0	97	-2.48	100			Y	Y	Y	Y	Y	S
39-113-0038	1	145	SLAMS	9.46	1.9	21.1		0	95	-2.02	100	5.74	100	Y	Y	Y	Y	Y	S
39-113-0038	2	145	SLAMS	10.35	2.3	33.4		0	100	-2.25	100			Y	Y	Y	Y	Y	S
39-135-1001	1	145	SLAMS	8.32	1.6	19.8		0	93	-1.79	100			Y	Y	Y	Y	Y	S
39-145-0013	1	118	SLAMS	8.53	1.7	31.5		0	97	-1.50	100	6.41	100	Y	Y	Y	Y	Y	S
39-145-0013	2	118	SLAMS	8.77	1.8	20.8		0	91	-1.92	100			Y	Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Ohio EPA Central Office (1256)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: South West Ohio PQAO (1455)
Quality Assurance Project Plan Approval Date:

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
118	2	1	1	100	5.57	6.41	Y
120	1	1	1	100	4.05	4.63	Y
142	11	2	2	100	5.01	5.52	Y
145	3	1	1	100	5.01	5.74	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
4	3	8	8	100	-4.80	Y

Monitors Summaries

				Routine Data (ug/m3)						Flow Rate Audit		Collocation			PEP		Concurrence Flag		
AQS Site ID	POC	Method	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	CV	% Complete	PQAO Crit. Met	PQAO Crit. Met	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
39-061-0006	4	142	SPM	8.60	2.7	19.2		0	100	+/-	0			Y	Y	Y	N	N	S

Data Concurrence and Evaluation Report for Lead

Certification Year 2015

Certifying Agency Name: Ohio EPA Central Office (1256)

Lead (TSP) LC (14129)

PQAO Name: Central Ohio PQAO (1453)

Quality Assurance Project Plan Approval Date:

Collocation Summary:

Number of Sites	Number of Colloc Sites Required	Number of Actual Colloc Sites	Percent Collocated	CV Est	CV UB	Criteria Met
5	1	2	100	5.81	7.42	Y

PEP Summary

Number of Methods	Number of Methods Audited	Number of PEP Audits Required	Number of Audits Submitted	Percent Complete	Bias	Criteria Met
1	0	1	0	0		Y

Analysis Audit Summary:

Number Required	Number Submitted	Percent Complete	Bias	Criteria Met
24	24	92	+/-4.58	Y

Monitors Recommended for Certification

AQS Site-ID	POC	Monitor Type	Routine Data (ug/m^3) Mean	Min	Max	Exceed. Count	Outlier Count	Percent Comp.	Flow Rate Audit Bias	Percent Comp.	Collocation CV UB	Percent Comp.	PQAO Crit. Met	PEP PQAO Crit. Met	Lead Analysis Crit. Met	QAPP Appr.	Certification AQS Rec. V	CA Rec Value	EPA Concur
39-049-0039	1	SLAMS	0.007	0.002	0.019	0	0	100	-2.15	100			Y	Y	Y	Y	Y	Y	S
39-051-0001	1	SLAMS	0.040	0.003	0.316	0	0	98	-1.50	100	7.42	100	Y	Y	Y	Y	Y	Y	S
39-051-0001	2	SLAMS	0.034	0.003	0.196	0	0	91	+2.06	100			Y	Y	Y	Y	Y	Y	S
39-101-0003	1	SLAMS	0.022	0.002	0.067	0	0	100	-3.55	70			Y	Y	Y	Y	Y	Y	S
39-101-0004	1	SPM	0.010	0.002	0.044	0	0	100	-2.78	70			Y	Y	Y	Y	Y	Y	S
39-167-0008	1	SLAMS	0.003	0.002	0.012	0	0	98	+2.90	100		100	Y	Y	Y	Y	Y	Y	S
39-167-0008	2	SLAMS	0.003	0.002	0.010	0	0	98	+5.40	100			Y	Y	Y	Y	Y	Y	S

Data Concurrence and Evaluation Report for Lead

Certification Year 2015

Certifying Agency Name: Ohio EPA Central Office (1256)

Lead (TSP) LC (14129)

PQAO Name: North East Ohio PQAO (1454)

Quality Assurance Project Plan Approval Date:

Collocation Summary:

Number of Sites	Number of Colloc Sites Required	Number of Actual Colloc Sites	Percent Collocated	CV Est	CV UB	Criteria Met
8	1	3	100	3.43	4.74	Y

PEP Summary

Number of Methods	Number of Methods Audited	Number of PEP Audits Required	Number of Audits Submitted	Percent Complete	Bias	Criteria Met
1	0	2	0	0		Y

Analysis Audit Summary:

Number Required	Number Submitted	Percent Complete	Bias	Criteria Met
24	24	92	+/-4.58	Y

Monitors Recommended for Certification

AQS Site-ID	POC	Monitor Type	Routine Data (ug/m^3) Mean	Min	Max	Exceed. Count	Outlier Count	Percent Comp.	Flow Rate Audit Bias	Percent Comp.	Collocation CV UB	Percent Comp.	PQAO Crit. Met	PEP PQAO Crit. Met	Lead Analysis Crit. Met	Certification QAPP Appr.	AQS Rec. V	CA Rec Value	EPA Concur
39-029-0019	1	SLAMS	0.010	0.002	0.025	0	0	98	+0.24	100			Y	Y	Y	Y	Y	Y	S
39-029-0020	1	SLAMS	0.008	0.002	0.090	0	0	100	-2.33	100			Y	Y	Y	Y	Y	Y	S
39-029-0022	1	SLAMS	0.008	0.002	0.020	0	0	98	+1.87	100		100	Y	Y	Y	Y	Y	Y	S
39-029-0022	2	SLAMS	0.008	0.002	0.020	0	0	98	-0.51	100			Y	Y	Y	Y	Y	Y	S
39-035-0038	1	SLAMS	0.009	0.002	0.031	0	0	95	+2.57	100			Y	Y	Y	Y	Y	Y	S
39-035-0042	1	SLAMS	0.009	0.002	0.034	0	0	100	+3.15	100	18.51	100	Y	Y	Y	Y	Y	Y	S
39-035-0042	2	SLAMS	0.009	0.002	0.024	0	0	95	-2.07	100			Y	Y	Y	Y	Y	Y	S
39-035-0049	1	SLAMS	0.014	0.003	0.049	0	0	98	+0.10	100	5.64	100	Y	Y	Y	Y	Y	Y	S
39-035-0049	2	SLAMS	0.013	0.003	0.052	0	0	91	+4.27	100			Y	Y	Y	Y	Y	Y	S
39-035-0060	1	SLAMS	0.015	0.003	0.060	0	0	96	+3.35	100			Y	Y	Y	Y	Y	Y	S
39-035-0061	1	SLAMS	0.018	0.003	0.098	0	0	98	+2.09	100			Y	Y	Y	Y	Y	Y	S
39-035-0072	1	SLAMS	0.009	0.002	0.051	0	0	98	+1.41	100			Y	Y	Y	Y	Y	Y	S

Data Concurrence and Evaluation Report for Lead

Certification Year 2015

Certifying Agency Name: Ohio EPA Central Office (1256)

Lead (TSP) LC (14129)

PQAO Name: South West Ohio PQAO (1455)

Quality Assurance Project Plan Approval Date:

Collocation Summary:

Number of Sites	Number of Colloc Sites Required	Number of Actual Colloc Sites	Percent Collocated	CV Est	CV UB	Criteria Met
2	1	2	100			Y

PEP Summary

Number of Methods	Number of Methods Audited	Number of PEP Audits Required	Number of Audits Submitted	Percent Complete	Bias	Criteria Met
1	0	1	0	0		Y

Analysis Audit Summary:

Number Required	Number Submitted	Percent Complete	Bias	Criteria Met
24	24	92	+/-4.58	Y

Monitors Recommended for Certification

AQS Site-ID	POC	Monitor Type	Routine Data (ug/m^3) Mean	Min	Max	Exceed. Count	Outlier Count	Percent Comp.	Flow Rate Audit Bias	Percent Comp.	CV UB	Collocation Percent Comp.	PQAO Crit. Met	PEP PQAO Crit. Met	Lead Analysis Crit. Met	QAPP Appr.	Certification AQS Rec. V	CA Rec Value	EPA Concur
39-017-0015	1	SLAMS	0.004	0.002	0.011	0	0	96	+1.20	100		96	Y	Y	Y	Y	Y	Y	S
39-017-0015	2	SLAMS	0.004	0.002	0.007	0	0	100	+1.16	100			Y	Y	Y	Y	Y	Y	S
39-113-7001	1	SLAMS	0.004	0.002	0.017	0	0	83	-4.27	100		100	Y	Y	Y	Y	Y	Y	S
39-113-7001	2	SLAMS	0.004	0.002	0.017	0	0	76	-5.09	100			Y	Y	Y	Y	Y	Y	S

Monitors Not Recommended for Certification

AQS Site-ID	POC	Monitor Type	Routine Data (ug/m^3) Mean	Min	Max	Exceed. Count	Outlier Count	Percent Comp.	Flow Rate Audit Bias	Percent Comp.	CV UB	Collocation Percent Comp.	PQAO Crit. Met	PEP PQAO Crit. Met	Lead Analysis Crit. Met	QAPP Appr.	Certification AQS Rec. V	CA Rec Value	EPA Concur
39-091-0006	1	SLAMS	0.003	0.002	0.005	0	0	100	+/-	0			Y	Y	Y	Y	N	N	S

Data Concurrence and Evaluation Report for Lead

Certification Year 2015

Certifying Agency Name: Ohio EPA Central Office (1256)

Lead PM10 LC FRM/FEM (85129)

PQAO Name: South West Ohio PQAO (1455)

Quality Assurance Project Plan Approval Date:

Collocation Summary:

Number of Sites	Number of Colloc Sites Required	Number of Actual Colloc Sites	Percent Collocated	CV Est	CV UB	Criteria Met
0	0	1	100			

PEP Summary

Number of Methods	Number of Methods Audited	Number of PEP Audits Required	Number of Audits Submitted	Percent Complete	Bias	Criteria Met
1	0	1	0	0		

Analysis Audit Summary:

Number Required	Number Submitted	Percent Complete	Bias	Criteria Met
24	66	100	+/-3.03	Y

Monitors Recommended for Certification

AQS Site-ID	POC	Monitor Type	Routine Data (ug/m^3) Mean	Min	Max	Exceed. Count	Outlier Count	Percent Comp.	Flow Rate Audit Bias	Percent Comp.	Collocation CV UB	Percent Comp.	PQAO Crit. Met	PEP PQAO Crit. Met	Lead Analysis Crit. Met	QAPP Appr.	Certification AQS Rec. V	CA Rec Value	EPA Concur
39-061-0040	1	SLAMS	0.003	0.000	0.020	0	0	97	-1.27	100		100			Y	Y	Y	Y	S
39-061-0040	2	SLAMS	0.003	0.000	0.022	0	0	96	-0.32	100					Y	Y	Y	Y	S

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: GYE

QUICKLOOK ALL PARAMETERS

Report Request ID: 1441535 Report Code: AMP450NC Apr. 29, 2016

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	39										

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
ALL	86101		

SELECTED OPTIONS

Option Type	Option Value
MERGE PDF FILES	YES
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
AGENCY ROLE	PQAO

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC
6	DATES
7	EDT_ID

DATE CRITERIA

Start Date	End Date
2015	2015

APPLICABLE STANDARDS

Standard Description

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EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED

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Parameter	Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 39-035-0060 City: Cleveland	County: Cuyahoga						Address: E. 14TH & ORANGE							
86101 PM10-2.5 - Local Conditions	Micrograms/cubic meter (LC)	1	1454	2015	176	92	75.8	57.3	53.7	49.3	19.75*	24 HOUR		0
Site ID: 39-061-0040 City: Cincinnati	County: Hamilton						Address: 250 WM. HOWARD TAFT							
86101 PM10-2.5 - Local Conditions	Micrograms/cubic meter (LC)	1	1455	2015	173	117	25.1	23.7	20.4	19.3	7.86	24 HOUR		0
86101 PM10-2.5 - Local Conditions	Micrograms/cubic meter (LC)	2	1455	2015	173	56	27.3	18.5	17.5	16.0	7.99	24 HOUR		0
Site ID: 39-121-8001 City: Not in a city	County: Noble						Address: ST JOHNS ROAD QUAKER CITY							
86101 PM10-2.5 - Local Conditions	Micrograms/cubic meter (LC)	5	0745	2015	805	58	23.9	12.1	11.3	10.6	5.81*	24 HOUR		0
Site ID: 39-135-1001 City: New Paris	County: Preble						Address: 6940 OXFORD GETTYSBURG RD.							
86101 PM10-2.5 - Local Conditions	Micrograms/cubic meter (LC)	1	1455	2015	176	106	21.7	16.4	13.2	12.1	4.74*	24 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

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METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
86101	173	BGI Inc Model PQ200 PM10-2.5 Sampler Pair	Paired Gravimetric Difference
86101	176	Thermo Scientific Partisol-Plus Model 2025 Se	Paired Gravimetric
86101	805	IMPROVE	IMPROVE

Note: The * indicates that the mean does not satisfy summary criteria.

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PQAOS USED IN THIS REPORT

PQAO	AGENCY DESCRIPTION
0745	National Park Service
1454	North East Ohio PQAO
1455	South West Ohio PQAO

Note: The * indicates that the mean does not satisfy summary criteria.

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CERTIFICATION EVALUATION AND CONCURRENCE FLAG MEANINGS

FLAG	MEANING
M	The monitoring organization has revised data from this monitor since the most recent certification letter received from the state.
N	The certifying agency has submitted the certification letter and required summary reports, but the certifying agency and/or EPA has determined that issues regarding the quality of the ambient concentration data cannot be resolved due to data completeness, the lack of performed quality assurance checks or the results of uncertainty statistics shown in the AMP255 report or the certification and quality assurance report.
S	The certifying agency has submitted the certification letter and required summary reports. A value of "S" conveys no Regional assessment regarding data quality per se. This flag will remain until the Region provides an "N" or "Y" concurrence flag.
U	Uncertified. The certifying agency did not submit a required certification letter and summary reports for this monitor even though the due date has passed, or the state's certification letter specifically did not apply the certification to this monitor.
X	Certification is not required by 40 CFR 58.15 and no conditions apply to be the basis for assigning another flag value
Y	The certifying agency has submitted a certification letter, and EPA has no unresolved reservations about data quality (after reviewing the letter, the attached summary reports, the amount of quality assurance data submitted to AQS, the quality statistics, and the highest reported concentrations).

Note: The * indicates that the mean does not satisfy summary criteria.